(: ·

MSRRPWLLALALAVALAAGSAGASTGSDATVPVATQDGPDY VFHRAHERMLFQTSYTLENNGSVICIPNNGQCFCLAWLKSNG TNAEKLAANILQWITFALSALCLMFYGYQTWKSTCGWEEIYVA TIEMIKFIIEYFHEFDEPAVIYSSNGNKTVWLRYAEWLLTCPVILI HI SNI TGI ANDYNKRTMGLLVSDIGTIVWGTTAALSKGYVRVI FFLMGLCYGIYTFFNAAKVYIEAYHTVPKGICRDLVRYLAWLY FCSWAMFPVLFLLGPEGFGHINQFNSAIAHAILDLASKNAWS MMGHFLRVKIHEHILLYGDIRKKOKVNVAGQEMEVETMVHEE DDETQKVPTAKYANRDSFIIMRDRLKEKGFETRASLDGDPNG DAEANAAAGGKPGMEMGKMTGMGMGMGAGMGMATIDSGR VILAVPDISMVDFFREQFARLPVPYELVPALGAENTLQLVQQA OSLGGCDEVI MHPEFLRDRSPTGLLPRLKMGGORAAAFGW AAIGPMRDLIEGSGVDGWLEGPSFGAGINQQALVALINRMQQ AKKMGMMGGMGMGMGMGMGMGMGMAPSMNAGM TGGMGGASMGGAVMGMGMGMQPMQQAMPAMSPMMTQQ PSMMSQPSAMSAGGAMQAMGGVMPSPAPGGRVGTNPLFG SAPSPLSSQPGISPGMATPPAATAAPAAGGSEAEMLQQLMS EINRLKNELGE (SEQ ID NOIL)

MDYGGALSAVGRELLFVTNPVVVNGSVLVPEDQCYCAGWIE SRGTNGAOTASNVLOWLAAGFSILLLMFYAYQTWKSTCGWE EIYVCAIEMVKVILEFFFEFKNPSMLYLATGHRVQWLRYAEWL LTCPVILIHLSNLTGLSNDYSRRTMGLLVSDIGTIVWGATSAMA TGYVKVIFFCLGLCYGANTFFHAAKAYIEGYHTVPKGRCRQV VTGMAWLFFVSWGMFPILFILGPEGFGVLSVYGSTVGHTIIDL MSKNCWGLLGHYLRVLIHEHILIHGDIRKTTKLNIGGTEIEVETL VEDEAEAGAVNKGTGKYASRESFLVMRDKMKEKGIDVRASL DNSKEVEGEGAARAAMMMMNGNGMGMGMGMNGMNGMG GMNGMAGGAKPGLELTPQLQPGRVILAVPDISMVDFFREQFA QLSVTYELVPALGADNTLALVTQAQNLGGVDFVLIHPEFLRDR SSTSILSRLRGAGQRVAAFGWAQLGPMRDLIESANLDGWLE GPSFGOGII PAHIVAI VAKMOOMRKMOOMOOIGMMTGGMN GMGGGMGGGMNGMGGGNGMNNMGNGMGGGMGNGMGG NGMNGMGGGNGMNNMGGNGMAGNGMGGGMGGNGMGG SMNGMSSGVVANVTPSAAGGMGGMMNGGMAAPQSPGMN GGRI GTNPI FNAAPSPLSSQLGAEAGMGSMGGMGGMSGM GGMGGMGGMGGAGAATTQAAGGNAEAEMLQNLMNEINRL KRELGE (SEQ 10 NO:2)

MIptavegvsqAQITGRPEWIWLALGTALMGLGTLYFLVKGMGVS
DPDAKKFYAITTLVPAIAFTMYLSMLLGYGLTMVPFGGEQNPI
YWARYADWLFTTPLLLLDLALLVDADQGTILALVGADGIMIGT
GLVGALTKVYSYRFVWWAISTAAMLYILYVLFFGFTSKAESMR
PEVASTFKVLRNVTVVLWSAYPVVWLIGSEGAGIVPLNIETLLF
MVLDVSAKVGFGLILLRSRAIFGEAEAPEPSAGDGAAATSD
(SEQ ID NO:3)

Chop1MSRRPWLLALALAVALAAGSAGASTGSDATVPVATQDGPDYVFHRAHEMVIFOTSYTLEN 60 Chop2	ChoplNGSWICIPNNGCCFCLAWLKSNGRYAEKTRAWILGWITFALSALCENEWSYSCHWKSTC 118 ChoplKGSWL-VWED-COYCAGETESRGYNAACTENVAGETIATATSILLMENTAGEGTOTOSTG 79 BopLPTAVEGVSQALITGRPENTWLALGTALMGEGTUYFLVKOMEVEDPAKKEYALMILVPA 51	* * * * * * Chopl & * * * * * * * * * Chopl & * * * * * * * * * * * * * * * * *	* * * * * ChoplGlandrage - Glivsdige - Worth - Griston - Kriston
Chop1	Chop1	Chopl	Chop1
Chop2	Chop2	Chop2	Chop2
Bop	Bop	Bop	Bop

4/14

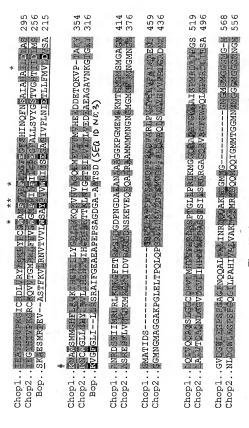


Fig. 1D (continued)

616 616 GMQPI QQAMP--ANSPM Chop1..MTQQPS-MMSQPSAMSAGGAMQAMGGVMPSP Chop2..MNGMSSGVVANVTPSAAGGMGGMINGGMAAP Chop1.. Chop2.

(SEG ID NV: 1) Chop1..------PGISPCMATPPZAN (SER ID NR 2) Chop2..EAGMGSMGGMGGMSGMGGMGGMGGMG

Fig. 1D (continued)

	510520530540			
40	MDYGGALSAVGRELLFVTNPVVVNGSVLVPEDQCYCAGWI			
80	ESRGTNGAQTASNVLQWLAAGFSILLLMFYAYQTWKSTCG			
120	WEEIYVCAIEMVKVILEFFFEFKNPSMLYLATGHRVQWLR			
160	YAEWLLTCPVILIRLSNLTGLSNDYSRRTMGLLVSDIGTI			
200	vwgatsamatgyvkviffclglcygantffhaakayiegy			
240	HTVPKGRCRQVVTGMAWLFFVSWGMFPILFILGPEGFGVL			
280	SVYGSTVGHTIIDLMSKNCWGLLGHYLRVLIHEHILIHGD			
irkttklniggteievetlvedeaeagavnkgtgk (SE& P Nº 4)315				